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~~JPRS~~/DC-10500/SPECIAL

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Pol - Communism

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<p>Trans. of Tintoria (Italy) 1954, v. 51, no. 11, p. 406-408.</p>	<p>1. Cerial, L.</p>
<p>DESCRIPTORS: Textiles, Synthetic fibers.</p>	<p>161742</p>
<p>(Materials--Textiles, TT, v. 6, no. 1)</p>	<p>Office of Technical Services</p>

The Application of "Procion" Dyes in the
Continuous Dyeing of Cellulose Staple Fibers on the
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FORMATION AND OF THE STRUCTURE OF HIGH
TENACITY VISCOSE FIBERS. [1961] [24]p. 24 refs.
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DESCRIPTORS: *Synthetic fibers. *Cellulose.
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An interpretation is presented of the action of the
modifying agents, which are added to the viscose, in
the manufacturing process of the "super-fibers". The
following concept of a super-fiber structure is proposed.
The crystallites of the super-fiber, due to the use of
non-aged viscose and to the special conditions in which
coagulation takes place, are composed of a lower num-
ber but, given the higher degree of polymerization of
(Materials--Textiles, TI, v. 6, no. 7) (over)

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M. J. Reidt, J. L. J. Tervoort.
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M Sci - M/M

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Sci - Engr

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WEur - Portugal

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mother liquor and some experimental results,
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JAPANESE, per, Tokyo Kogyo shikensho hokoku,
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simulator, by R. Uchida, et al.

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SLA 2335

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FO- TT-64-18293

I. Nitsche, H.

(Materials, TT, v. 12, no. 7)

Bakhsar, K.
MAGNESIA-PORTLAND CEMENT. [1963] 12p
Order from SIA \$1.60 TT-64-14335

Trans. from Technische-Zeitung (Germany) 1925
[v. 49] no. 19.

DESCRIPTORS: *Cements, *Magnesium compounds,
Processing, Chemical analysis.

(Materials, TT-64-11, no. 9)

TT-64-14335

I. Bakhsar, K.

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PRODUCTS OF HYDRAULIC MORTARS.
[Apr 28] [15p] 25refs
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II. Gille, F.

Trans. of ~~Tschingler-Zeitung~~ (Germany) 1928,
v. 52, p. 418-421.

DESCRIPTOR^s: *Cements, Hydrates, Calcium com-
pounds, Silicates, Aluminates, Optical properties,
Crystal structure, Mortar,

(Materials, III, v. 11, no. 9)

Office of Technical Services

Deterioration of Rotary Cement Clinker
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5 pp.

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BLA 57-3178

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Sci - Engr
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Order from SLA \$1.10

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Trans. of Tonindustrie-Zeitung (Germany) 1935, v. 59,
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I. Ferrari, F.

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CSIRO Tr 4123

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6p (figs omitted) 6refs
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TT-64-14298

Trans. of Tonindustrie-Zeitung (Germany) 1936, v. 60,
no. 62, p. 761-763.

DESCRIPTORS: *Calcium compounds, *Hydroxides,
Oxides, Water, *Methanol, Solutions, *Particles,
Processing, Chemical reactions, Radiography.

(Chemistry--Physical, TT, v. 11, no. 10)

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II. Fißeböth, R.
III. May, K.

Office of Technical Services

The Gypsum Problem, by B. Wandser, 29 pp.

GERMAN, per, Tonindustrie Zeitung, Vol LXI, No
3, 4, 5, 1936, pp 27-29, 40, 41, 51-53.

SLA Tr 818/1955

Sci - Min/Met

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Dust Control in the Refractory Materials
Industry, by W. Faust, 17 pp.

GERMAN, per, Zeitung, Vol LXI, No 6, 7, Jan
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SLA # 57-2170

Sci - Tech

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<p>Dimin. EFFLORESCENCE OF BRICK MASONRY. [1960] 4p. (10 figs. omitted). Order from SLA m\$1.80, pb\$1.80 60-18582 Trans. of <u>Industrie-Zeitung</u> (Germany) 1937 [v. 61, no. 39/40] p. 446-447.</p>	<p>60-18582</p> <ol style="list-style-type: none">1. Brick--Chemical reactions2. Mortar--Chemical reactions <p>1. Dimin</p>
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S.I.A. Tr 1281

Sci - Engineering
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<p>Amos MORTAR, BRICK (BUILDING STONE), AND MASONRY [1945] 7p (2 figs omitted) 7 refs Order from S.L.A. m(S). M., p(S) M. 60-18715</p> <p>Trans. of Tonindustrie-Zeitung (Germany) 1943, 8 Mar., p. 246-249</p>	<p>60-18715</p> <p>1 Brick--Properties 2 Mortar--Properties 1. Amos</p>
<p>W. H. ...</p>	<p>Office of Technical Services</p>

<p>Staeber, Arno NEW KNOWLEDGE IN THE FIELD OF THE SUR- FACE PROTECTION OF REFRACTORY BRICKS. [Abstr 52] 9p. (1 fig. omitted) 8 refs. Order from SIA ml \$1.00, pdf \$1.00 60-18692</p>	<p>60-18692 1. Brick--Surfaces 2. Refractory materials-- Processing 1. Staeber, A.</p>
<p>Trans. of Fortschritt-Zeitung (West Germany) 1951, v. 75, no. 3/4, p. 1-30.</p>	
<p>142,859</p>	
<p>(Materials--Refractories, TT, v. 5, no. 7)</p>	<p>Office of Technical Services</p>

Water, Frost, and Frost Resistance of Natural
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9 pp.

GERMAN, per, Technische Zeitung, Vol XXV,
No 9/10, 1951, pp 135-136.

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Sci - Geophysics
Econ - Germany
Econ - Construction
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Influence of the Sand in the Manufacture
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Reference to Large Size Blocks, by R.
Gunzelmann.

GERMAN, per Tonindustrie Zeitung, Vol. 36,
No. 15/16. 1952, pp 231-235
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Sci -
Aug 67

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DUSTRY OF ROCKS AND EARTHS. [1963] 21p.
42 refs.
Order from SLA \$2.60

63-14603

Trans. of Industrie-Zeitung (West Germany)
1953, v. 77, p. 83-84.

DESCRIPTORS: *Electrostatics, *Material separation,
Minerals, Electrical properties, Machines, Operation,
Costs.

The essential forces in the electric field which can
lead to a separation of material particles are discus-
sed. The separation processes developed from these
forces depend essentially on the different conductivity
and dielectric constants of the material particles and
also on the so-called pyroelectric effect of minerals.
(Earth Sciences--Mineralogy, TT, v. 10, no. 7)(over)

63-14603

1. Title: Beneficiation
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1. Sanzho, E. von

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Grindability Machine. Apparatus for the Investigation
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Hans Lehmann, Ulrich Basse, 10 pp.

GERMAN, per, Tonindustrie-Zeitung, Vol. ^LXXXIX,
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S.L.A. Tr No 360/1955

Sci - Engineering
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Endell, T.
MIXING IN THE SANDLIME BRICK INDUSTRY.
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Order from C. I. A. I. R. A. Laboratories, Church
Street, Welwyn, Herts, England ; 3 CLAIRA T. 4

Trans. of ~~Ton~~Industrie-Zeitung (West Germany) 1955,
v. 79, no. 11/12, p. 167-169.

DESCRIPTORS: Construction materials industry.
Mixtures, *Brick, *Calcium compounds, Oxides,
*Sand.

(Materials--Ceramics, TT, v. 11, no. 1)

TT-53-22902

I. Endell, T.
II. CLAIRA-T-4
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Industries Research
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Tests of Cement Clinker in the Grindability Testing
Machine, by Ulrich Haese, 6 pp.

GERMAN, per, Tonindustrieseitung, Vol LXXIX, Aug 1955,
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S.L.A. No 328/1956

Scientific - Engineering

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Gunzelmann, R.

AN INVESTIGATION OF THE EFFECT OF HARDEN-
ING-PRESSURE, HARDENING-TIME, AND LIME-
CONTENT IN THE MANUFACTURE OF SAND-LIME
BRICKS AT PRESSURES OF 8-40 ATMOSPHERES,
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Order from C. L. A. I. R. A. Laboratories, Church
Street, Welwyn, Herts, England £5 CLAIRA T. 2

Trans. of Tonindustrie-Zeitung (West Germany) 1956,
v. 80, no. 1/2, p. 1-7.

DESCRIPTORS: *Brick, *Calcium compounds, Oxides,
*Sand, Hardening, Pressure, Time, Manufacturing
methods.

(Materials--Ceramics, TT, v. 11, no. 1)

TT-63-22900

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Fritz Keil.

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Lehmann, Hans and Datz, Hubert.
INFRA-RED SPECTROSCOPY AND AN AID FOR THE
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v. 83, no. 11, p. 219-238.

DESCRIPTORS: *Infrared spectroscopy, *Minerals,
Rock (Geology), *Silicates, *Cements, *Clay minerals,
Soils, Materials, Hardening, Spectrographic analysis.

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Vol. LXXXIII, No 16, 1959, pp 377-387.

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Order from BGIRA BGIRA-553

Trans. of Tonindustrie-Zeitung (West Germany)
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DESCRIPTORS: Slags, *Brick, Temperature,
Furnaces.

(Materials--Refractories, TT, v. 10, no. 3)

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1. Title: Checkers
2. Title: Regenerators
1. Schmid, O.
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- III. BGIRA-553
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Research Association

Office of Technical Services

Investigations on the Solubility of
Sulphur in Furnace Slags (System
 $\text{CaO-Al}_2\text{O}_3\text{-SiO}_2$), by H. Slage,
GERMAN, per, Tonind. Zeit. Keram.
Rund. Vol 86, 55 (22/23), Dec 1962,
pp 586-589.
BISI 3597

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INVESTIGATION OF RAW MATERIALS BY MEANS
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15p. 10 refs.
Order from SLA \$1.60

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Trans. of Tonindustrie-Zeitung (West Germany) 1962,
v. 86, no. 24, pp. 608-612.

DESCRIPTORS: *Construction materials industry,
*Cements, *Brick, *Ceramic materials, Limestone,
Thermal expansion, *Calorimetry

The method and procedure used at the Institute for
Bricks and Clay of the Clausthal Mining Academy in
their development of a combined DTA/DS apparatus are
described and recommendations are given for the im-
provement of this apparatus and for the interpretation
of the results. The method was first used for structural
raw materials and ceramic masses and, later, on
(Materials--Ceramics, TT, v. 10, no. 11) (over)

63-16983

1. Title: Dilatometric
method
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